



LIST OF CLAIMS

Claims 1-6 (cancelled)

Claim 7 (new)

An enhanced ventricular assist device (EVAD) for use by physician(s) to take care of a patient with diseased heart, said EVAD comprising one or more linear flow blood pump(s),

means for sending electrical pulses to said patient's said diseased heart,

Means for controlling the blood output pressure and volume of each of the said linear flow blood pump(s) independently, (CL)

means for controlling either or both the pulse rate and voltage of said electrical pulses sent by said means to the said patient's said diseased heart, (CEP)

means for measuring clinical and biological signals at organs on the said patient's body, (LCBS)

means for monitoring said LCBS, (MLCBS), and

means enabling the said physician(s) to call upon any or all of the above

means in any order or sequence as he sees fit. (ESP).

Claim 8 (withdrawn)

Claim 9 (withdrawn)

Claim 10 (Original) An EVAD according to Claim 7 with means for monitoring said LCBS signals in synchronization with said electrical pulses.

Claim 11 (original) An EVAD according to Claim 7 with a set of prototype commands and automatic means for carrying out any one of the said set of prototype commands one at a time.

Claim 12 (original) An EVAD according to Claim 11 having a computer with physician modifiable computer software for automatically selecting a sequence from the said set of prototype commands in response to the said LCBS, and said automatic means for carrying out the said computer software selected sequence one at a time.

Claim 13 (withdrawn)

Claim 14 (original) An EVAD according to Claim 7, in which said control means CL controls the blood output pressure and volume of each of the said linear flow blood pump(s) by varying the magnitude and frequency of the electrical motor currents of the said linear flow blood pump(s).

Claim 15 (original) An EVAD according to Claim 7, in which magnetic induction means are used for transference of signal, information, and power across the skin without puncturing the skin.